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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/514,410	11/15/2004	Thomas Heidenfelder	53543	4386
26474 75	590 10/20/2005		EXAMINER	
NOVAK DRUCE DELUCA & QUIGG, LLP			PUTTLITZ, KARL J	
1300 EYE STR SUITE 400 EA			ART UNIT	PAPER NUMBER
WASHINGTO:	N, DC 20005		1621	
			DATE MAILED: 10/20/2005	5

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Please find below and/or attached an Office communication concerning this application or proceeding.

	Application	on No.	Applicant(s)	
	· ·	10/514,410 HEIDENFELDER ET AI		
Office Action Summary			Art Unit	
	Karl J. Pu	tlitz	1621	
The MAILING DATE of this comi Period for Reply	nunication appears on the	cover sheet with the c	orrespondence address	
A SHORTENED STATUTORY PERIO WHICHEVER IS LONGER, FROM TH - Extensions of time may be available under the provi after SIX (6) MONTHS from the mailing date of this - If NO period for reply is specified above, the maximum - Failure to reply within the set or extended period for Any reply received by the Office later than three mo earned patent term adjustment. See 37 CFR 1.704	E MAILING DATE OF THe sions of 37 CFR 1.136(a). In no ever communication. In statutory period will apply and we reply will, by statute, cause the apply the after the mailing date of this co	IIS COMMUNICATION ent, however, may a reply be tim Il expire SIX (6) MONTHS from lication to become ABANDONED	l. ely filed the mailing date of this communication. 0 (35 U.S.C. § 133).	
Status				
 Responsive to communication(s This action is FINAL. Since this application is in condiction closed in accordance with the present the condition of the present the condition of the conditio	2b)⊠ This action is n ion for allowance except	on-final. for formal matters, pro		
Disposition of Claims				
4) ⊠ Claim(s) 12-21 is/are pending in 4a) Of the above claim(s) 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 12-21 is/are rejected. 7) □ Claim(s) is/are objected to result in the complex of the c	is/are withdrawn from co			
Application Papers				
9) The specification is objected to be 10) The drawing(s) filed on is/ Applicant may not request that any Replacement drawing sheet(s) inclu 11) The oath or declaration is objected	are: a) accepted or b) beliection to the drawing(s) the ding the correction is required.	pe held in abeyance. See ed if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119	•			
a) ☐ All b) ☐ Some * c) ☑ None of a classification of the prior of the prior of the prior of the certified copies of the prior of the certified copies of the prior of the certified copies of the certified copies of the prior of the certified copies of the certi	f: rity documents have bee rity documents have bee ies of the priority docume ational Bureau (PCT Rul	n received. n received in Application ents have been receive e 17.2(a)).	on No d in this National Stage	
Attachment(s)				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Reviews Information Disclosure Statement(s) (PTO-144 Paper No(s)/Mail Date 11/15/2004. 		4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:		

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 12-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 states that R³ are those specific alkyl and cycloalkyl groups listed in the claims. However, stage II states that any cyclic C3-C12-alcohol or cyclic C3-C10 alcohol may be added as the esterified group R³. This protion of the rejection would be withdrawn if stage III was amended to include those specific groups metioned earlier in the claim.

In stage III, the term "which comprises crystallizing the ester" is unclear because the step refers to esterification, not crystallization. This portion of the rejection qwould be withdraw if the claim was amended to recite "further comprising crystallizing . . . ".

Claim 20 depends on claim 8, which has been canceled.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and

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the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 12-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. patent No. 6,409,995 to Habeck et al. (Habeck) in view of JP 06100512, attaches as Chemical Abstracts online citation, Abstract No. 1994:435021, [retrieved on 10/14/2005], Columbus, OH, USA (JP 512).

The rejected claims are drawn to, inter alia, a process for preparing compounds of the following formula I:

by the following reaction:

This step is followed by esterification to provide compounds of formula I.

The claims specifically require crystallizing the ester of formula I and purifying the crystals in a further process stage by treatment with an adsorbent and/or by distillation.

Habeck teaches the following reaction at column 10:

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With regard to the specific n-hexyl esters of formula (Ia) (see, for example, claims16, 21 and dependant claims), habeck contemplates these dericatives at column 2:

(see definitions for "X").

Habeck fails to teach the step of crystallizing the ester of formula I and purifying the crystals in a further process stage by treatment with an adsorbent and/or by distillation. It is for this proposition that the examiner joins JP 512.

Specifically, JP 512 teaches, with regarding the following compounds:

that aminohydroxybenzophenonecarboxylic acid derivatives of formula I are prepared by reaction of m-aminophenol derivatives of formula II with phtthalic anhydride.

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The abstract teaches that the products are readily separated from the reaction mixture by crystallization. While the combination of references fails to explicitly teach treatment with an adsorbent and/or by distillation, those of ordinary skill would understand that this step, without any objective evidence of unexpected benefit, would further purify the desired product. Therefore, treatment with an adsorbent and/or distillation is well within the motivation of those of ordinary skill, and thus, the combination of Habeck and JP 512 renders the rejected claims *prima facie* obvious, since these references teach the elements of the rejected claims with a reasonable expectation of success.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karl J. Puttlitz whose telephone number is (571) 272-0645. The examiner can normally be reached on Monday to Friday from 9 a.m. to 5 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Johann Richter, can be reached at telephone number (571) 272-0646. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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